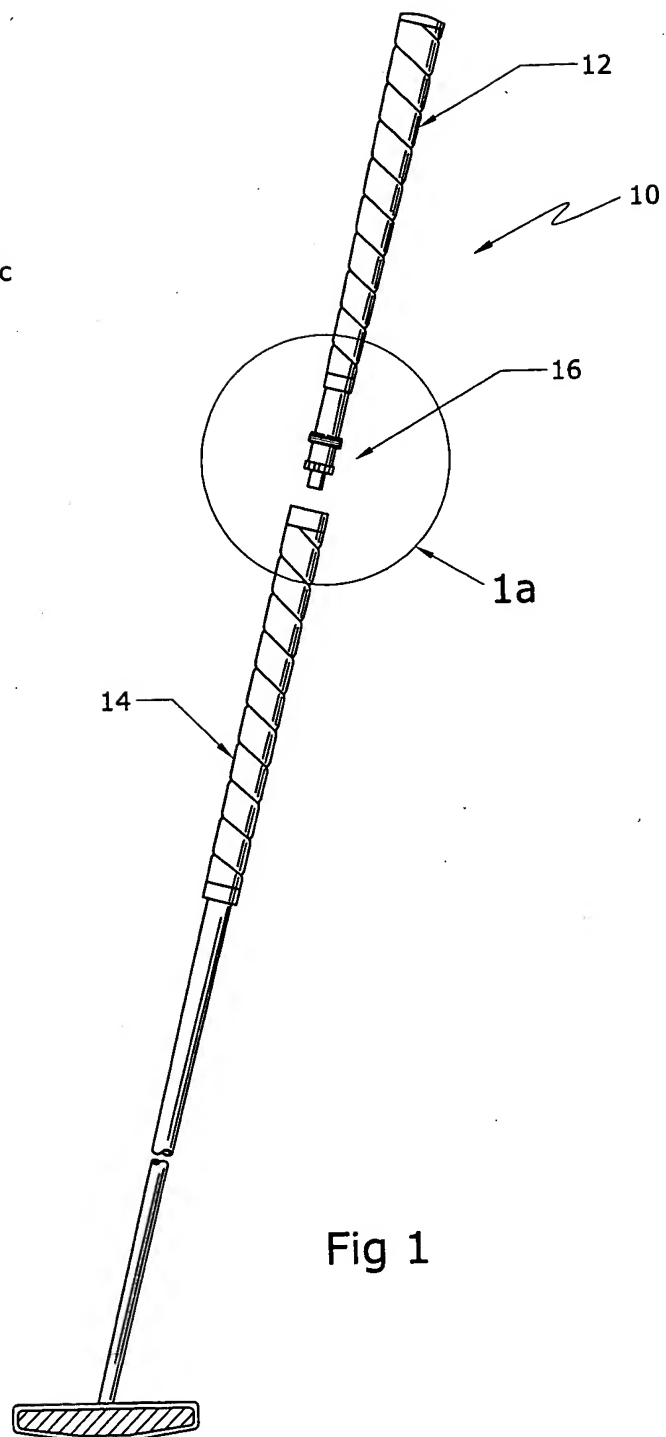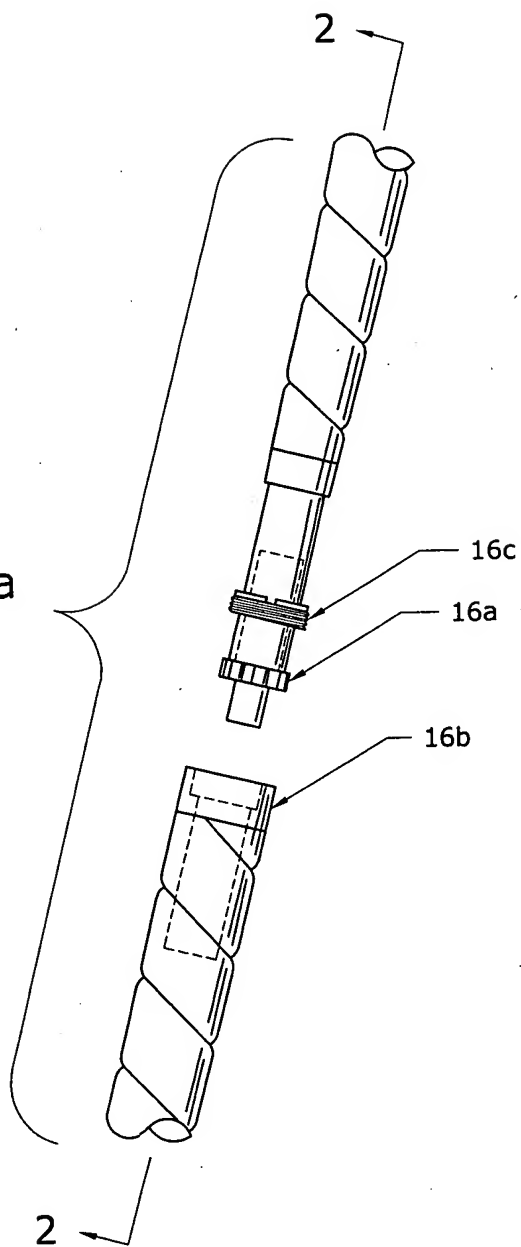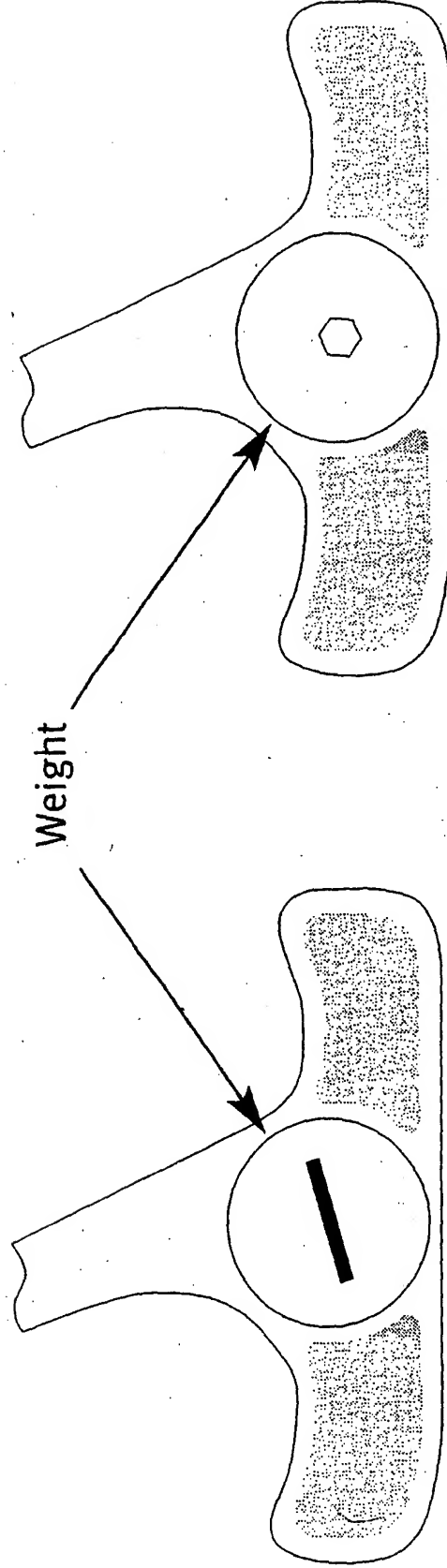Fig 1a

2

16c

16a

16b

2

12

10

16

14

1a

Fig 1

Fig. 1b– Adjustability for weight

Weight

(a) Mechanism can be adjusted by using a coin (non-conforming).

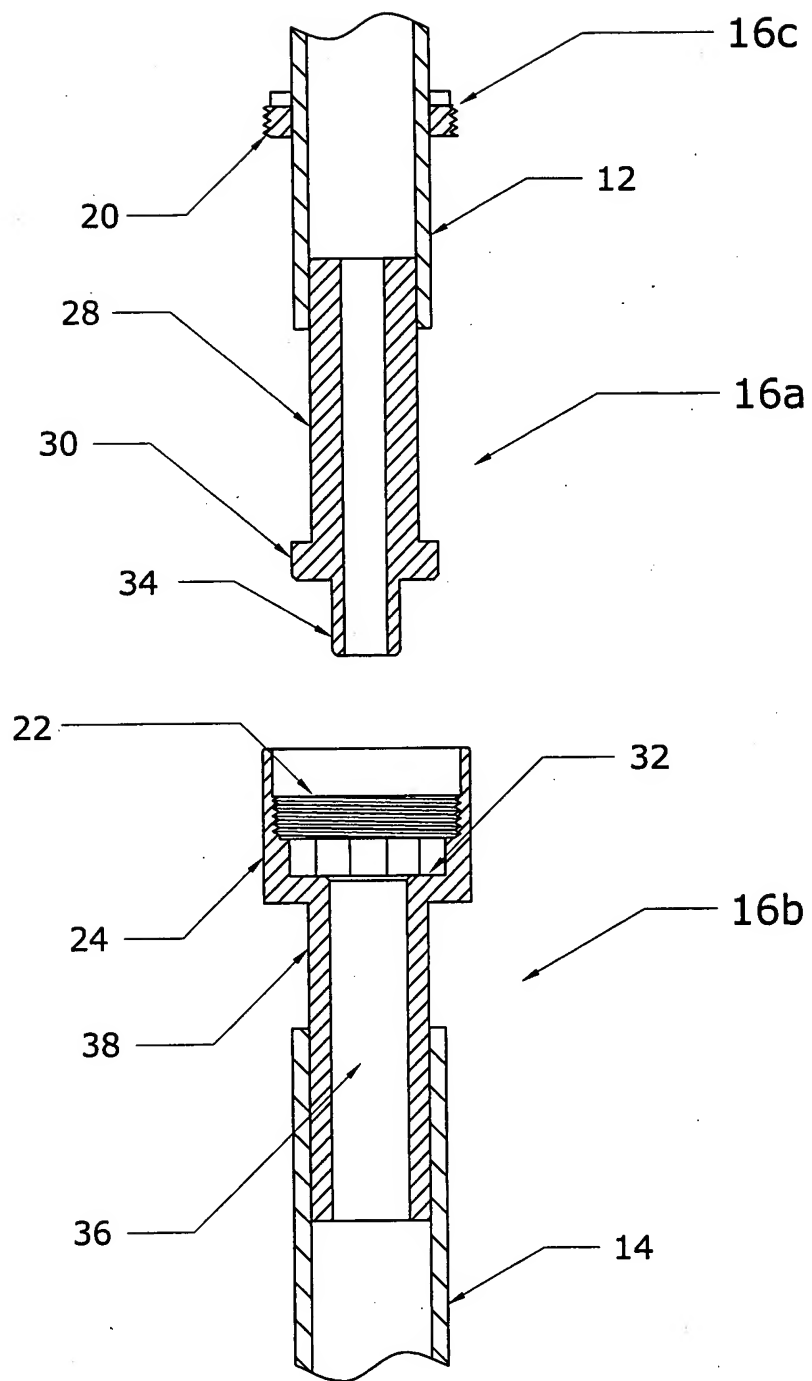(b) Mechanism requires the use of an Allen key (conforming).
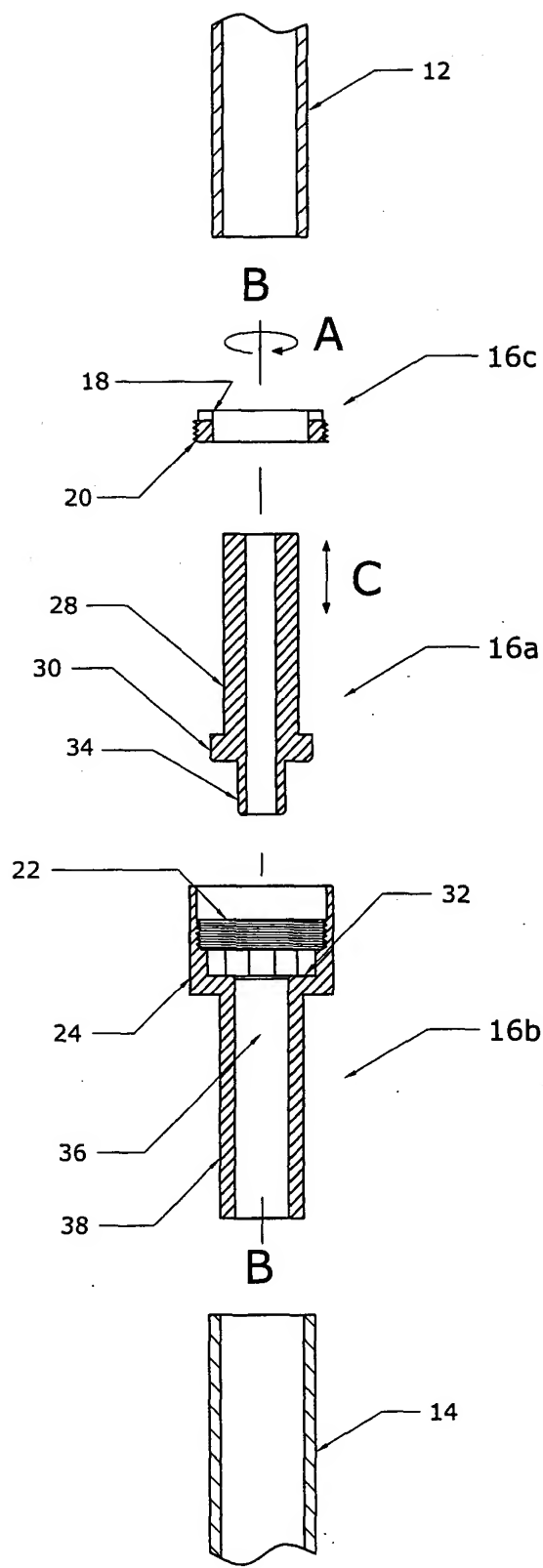
PRIOR ART

Fig 2

12

B

A
18
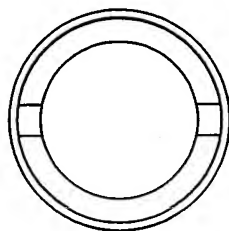16c
20

C
28
16a
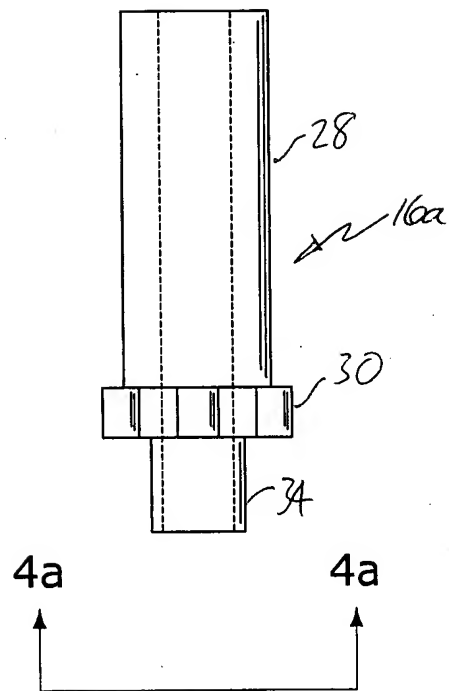30
34

Fig 2a
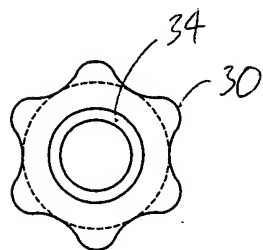
22
32
24
36
16b
38
B

14

26

16c

20

Fig 3

Fig 3a

Fig 4

28

16a

30

34

4a   4a

34
30

Fig 4a

Fig 5a

Fig 5

28

16a

30'

34

Fig 6

6a   6a

D

34   30a"

30'

E   E

30a'

D

Fig 6a

Fig 7a

32'

24

7a   7a

24
22
32'

Fig 7

38
166
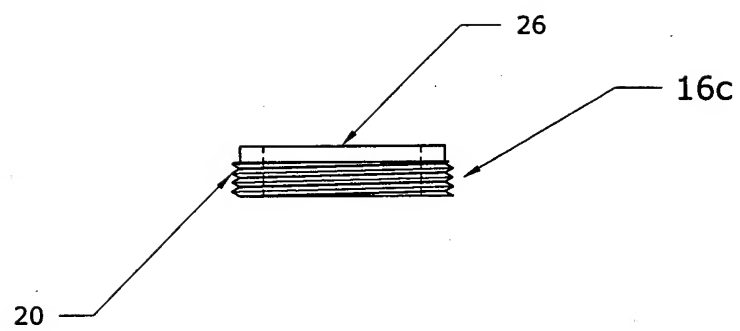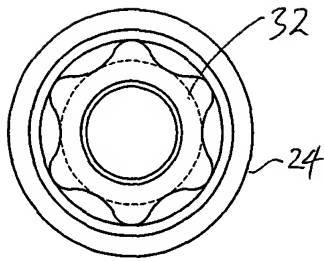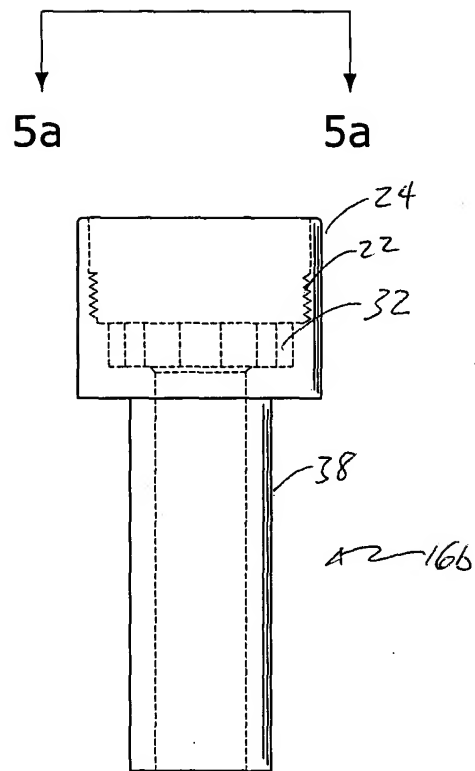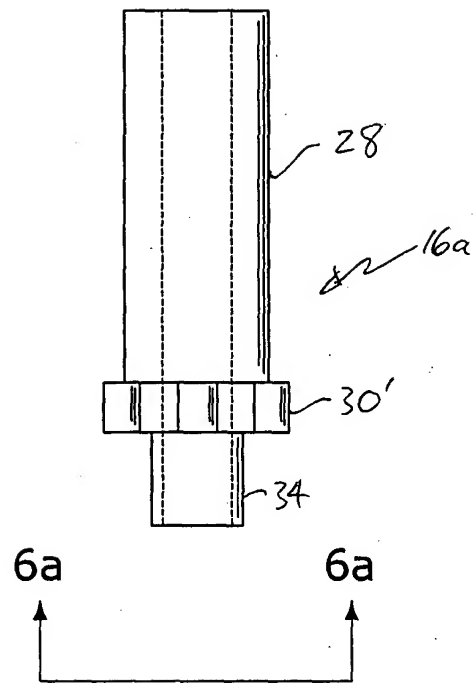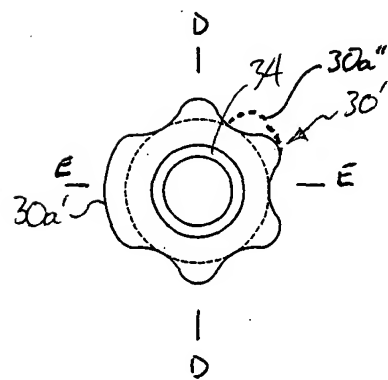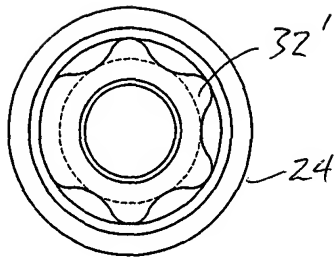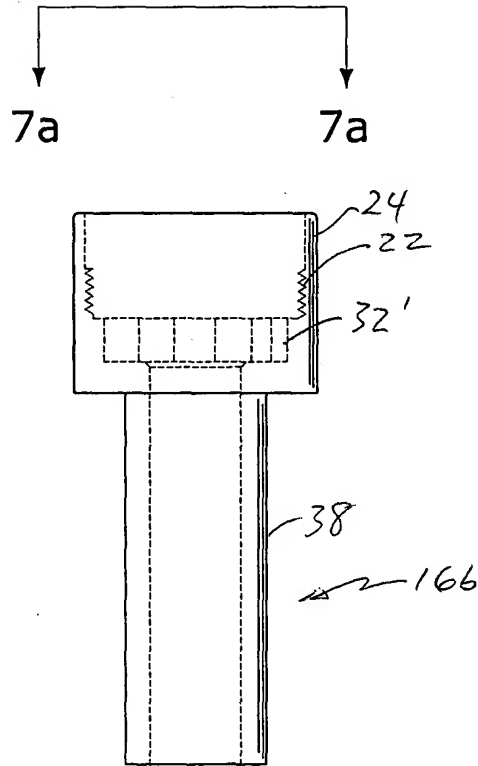
FIGURE 8
UPPER SHAFT LENGTH GUIDE

LOWER SECTION	A5"	B6"	C7"	D8"	E9"	F10"	G11"	H12"	I13"	J14"	K15"	L16"	M17"	N18"	O19"	P20"
Belly #1 28"	B1A 33"	B1B 34"	B1C 35"	B1D 36"	B1E 37"	B1F 38"	B1G 39"	B1H 40"	B1I 41"	B1J 42"	B1K 43"	B1L 44"	B1M 45"	B1N 46"	B1O 47"	B1P 48"
Belly #2 29"	B2A 34"	B2B 35"	B2C 36"	B2D 37"	B2E 38"	B2F 39"	B2G 40"	B2H 41"	B2I 42"	B2J 43"	B2K 44"	B2L 45"	B2M 46"	B2N 47"	B2O 48"	B2P 49"
Belly #3 30"	B3A 35"	B3B 36"	B3C 37"	B3D 38"	B3E 39"	B3F 40"	B3G 41"	B3H 42"	B3I 43"	B3J 44"	B3K 45"	B3L 46"	B3M 47"	B3N 48"	B3O 49"	B3P 50"
Belly #4 31"	B4A 36"	B4B 37"	B4C 38"	B4D 39"	B4E 40"	B4F 41:	B4G 42"	B4H 43"	B4I 44"	B4J 45"	B4K 46"	B4L 47"	B4M 48"	B4N 49"	B4O 50"	B4P 51"
Belly #5 32"	B5A 37"	B5B 38"	B5C 39"	B5D 40"	B5E 41"	B5F 42"	B5G 43"	B5H 44"	B5I 45"	B5J 46"	B5K 47"	B5L 48"	B5M 49"	B5N 50"	B5O 51"	B5P 52"
Belly #6 33"	B6A 38"	B6B 39"	B6C 40"	B6D 41"	B6E 42"	B6F 43"	B6G 44"	B6H 45"	B6I 46"	B6J 47"	B6K 48"	B6L 49"	B6M 50"	B6N 51"	B6O 52"	B6P 53"
Belly #7 34"	B7A 39"	B7B 40"	B7C 41"	B7D 42"	B7E 43"	B7F 44"	B7G 45"	B7H 46"	B7I 47"	B7J 48"	B7K 49"	B7L 50"	B7M 51"	B7N 52"	B7O 53"	B7P 54"
Belly #8 35"	B8A 40"	B8B 41"	B8C 42"	B8D 43"	B8E 44"	B8F 45"	B8G 46"	B8H 47"	B8I 48"	B8J 49"	B8K 50"	B8L 51"	B8M 52"	B8N 53"	B8O 54"	B8P 55"
Belly #9 36"	B9A 41"	B9B 42"	B9C 43"	B9D 44"	B9E 45"	B9F 46"	B9G 47"	B9H 48"	B9I 49"	B9J 50"	B9K 51"	B9L 52"	B9M 53"	B9N 54"	B9O 55"	B9P 56"
Long #1 34"	L1A 39"	L1B 40"	L1C 41"	L1D 42"	L1E 43"	L1F 44"	L1G 45"	L1H 46"	L1I 47"	L1J 48"	L1K 49"	L1L 50"	L1M 51"	L1N 52"	L1O 53"	L1P 54"
Long #2 36"	L2A 41"	L2B 42"	L2C 43"	L2D 44"	L2E 45"	L2F 46"	L2G 47"	L2H 48"	L2I 49"	L2J 50"	L2K 51"	L2L 52"	L2M 53"	L2N 54"	L2O 55"	L2P 56"
Long #3 38"	L3A 43"	L3B 44"	L3C 45"	L3D 46"	L3E 47"	L3F 48"	L3G 49"	L3H 50"	L3I 51"	L3J 52"	L3K 53"	L3L 54"	L3M 55"	L3N 56"	L3O 57"	L3P 58"
Long #4 40"	L4A 45"	L4B 46"	L4C 47"	L4D 48"	L4E 49"	L4F 50"	L4G 51"	L4H 52"	L4I 53"	L4J 54"	L4K 55"	L4L 56"	L4M 57"	L4N 58"	L4O 59"	L4P 60"
Long #5 42"	L5A 47"	L5B 48"	L5C 49"	L5D 50"	L5E 51"	L5F 52"	L5G 53"	L5H 54"	L5I 55"	L5J 56"	L5K 57"	L5L 58"	L5M 59"	L5N 60"	L5O 61"	L5P 62"